Workshop on:
High-Performance Numerical Libraries for Science and Engineering:

PANEL I: Promoting Reusability and Performance

Panelists:

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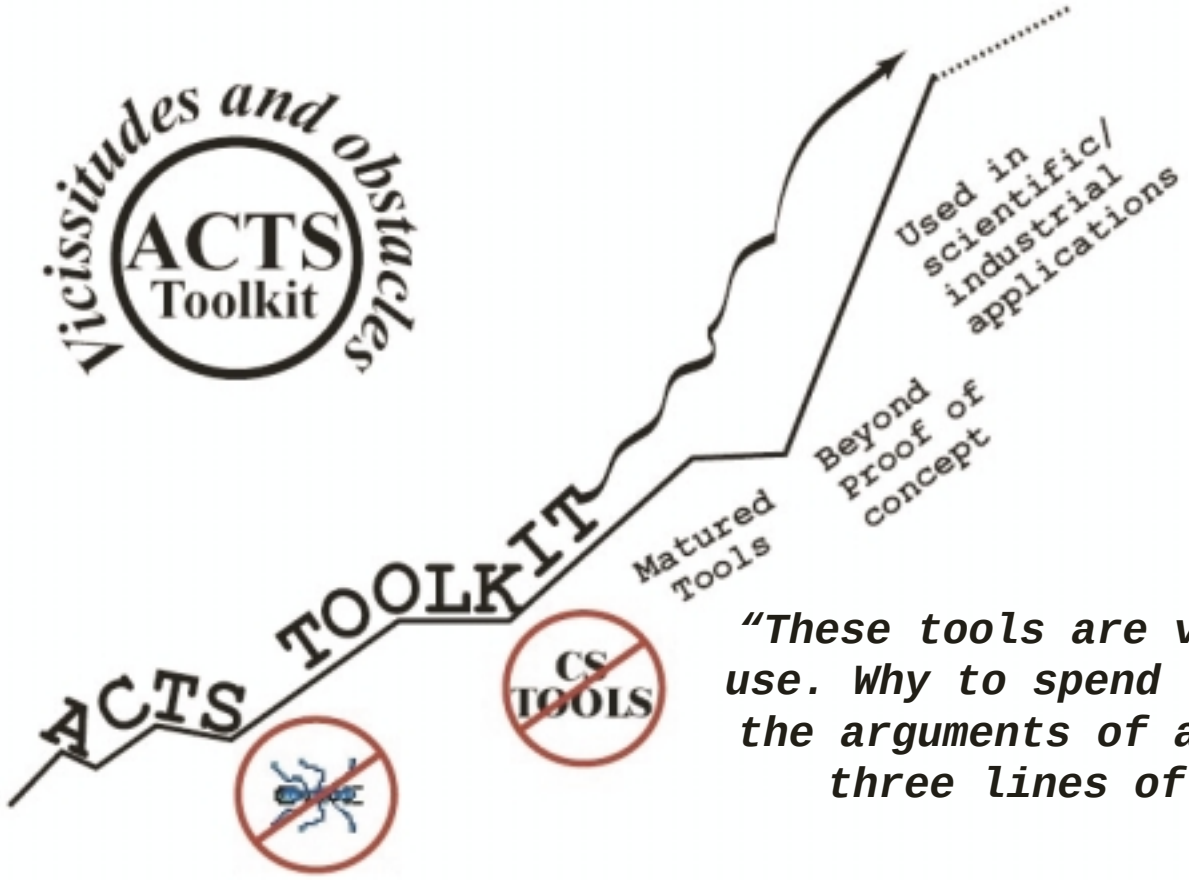
- Osni Marques
- Jose E. Roman

Moderator: Tony Drummond

Issues on Tool Acceptance and Maturity

http://acts.nersc.gov



"These tools are very difficult to use. Why to spend time figuring out the arguments of a BLAS routine if three lines of code do it?"

Tools *under the ACTS umbrella*

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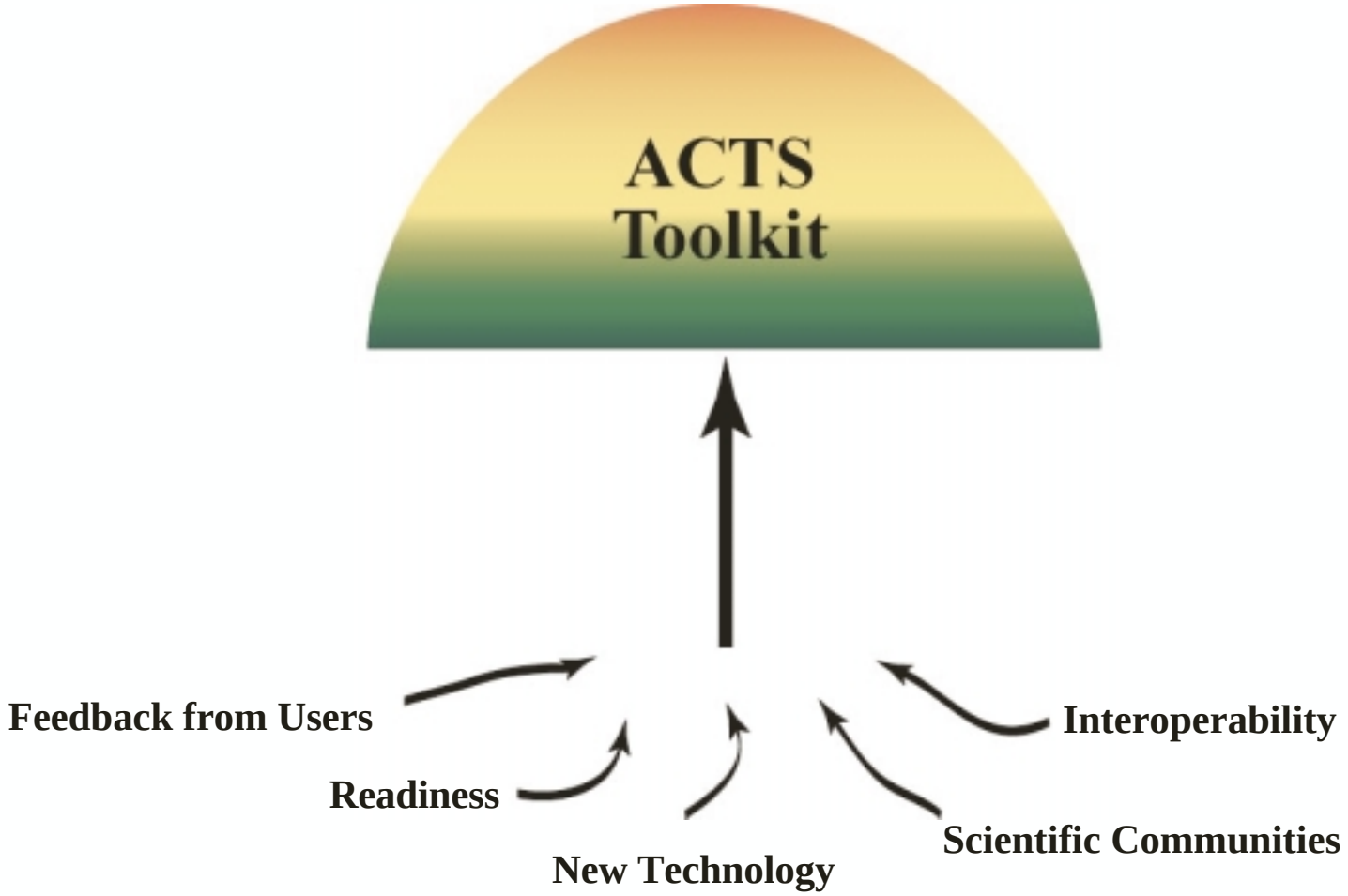

Panel I: Reusability and Performance

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- Q1. How does one balance the needs of performance against generality and portability?
- Q2. Why numerical libraries are still difficult to install and port?
- Q3. Is there an item in your tool development agenda that addresses tool reusability?
- Q4. What are the driving parameters for tools to gain acceptance in the scientific and engineering communities?

Panel I: Reusability and Performance

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- Q5. Is it possible to extract modules/routines out of your toolkit without compromising the performance of the module?
- Q6. How relevant are potential tool users in your development?
- Q7. What is a metric of success in your tool development?